

LIBRARY  
BUREAU OF THE CENSUS











PRELIMINARY REPORT  
INDUSTRY SERIES

# 1987

## Census of Manufactures

MC87-I-22B(P)  
Issued May 1989

### KNITTING MILLS

Industries 2251, 2252, 2253, 2254, 2257, 2258, and 2259

#### INTRODUCTION

This report presents preliminary statistics from the 1987 Census of Manufactures for those establishments classified in the industries listed above. These data will be superseded by a more comprehensive final paperbound report. The method of data collection and use of administrative data are discussed in detail in the appendix.

All dollar figures included in this report are at prices current for the year specified and, therefore, unadjusted for changes in price levels. Consequently, when making comparisons to prior years, users should take into consideration the inflation that has occurred.

The definitions of these industries are the same as those used in the 1987 Standard Industrial Classification (SIC) Manual.<sup>1</sup>

#### INDUSTRY 2251, WOMEN'S HOSIERY, EXCEPT SOCKS

In the 1987 Census of Manufactures, Industry 2251, Women's Hosiery, Except Socks, had employment of 29.3 thousand. The employment figure was 3 percent below the 30.2 thousand reported in 1982. Compared with 1986, employment in 1987 decreased 5 percent. The 1986 data are based on the Bureau's annual survey of manufactures (ASM), which is a sample survey conducted each year between censuses.

The total value of shipments for establishments classified in this industry was \$1.5 billion.

In 1987, establishments in this industry accounted for 98 percent of products considered primary to the industry regardless of the industry in which they were produced (coverage ratio). In 1982, the coverage ratio was 91 percent. The products primary to this industry appear in table 2 and aggregated to \$1.5 billion in 1987.

The cost of materials and services used by establishments in this industry amounted to \$715.2 million in 1987. Data on specific materials consumed appear in table 3.

#### INDUSTRY 2252, HOSIERY, N.E.C.

In the 1987 Census of Manufactures, Industry 2252, Hosiery, N.E.C., had employment of 36.5 thousand. The employment figure was 12 percent above the 32.6 thousand reported in 1982. Compared with 1986, employment in 1987 increased 11 percent. The 1986 data are based on the Bureau's annual survey of manufactures (ASM), which is a sample survey conducted each year between censuses.

The total value of shipments for establishments classified in this industry was \$2.0 billion.

In 1987, establishments in this industry accounted for 91 percent of products considered primary to the industry regardless of the industry in which they were produced (coverage ratio). In 1982, the coverage ratio was 95 percent. The products primary to this industry appear in table 2 and aggregated to \$1.9 billion in 1987.

The cost of materials and services used by establishments in this industry amounted to \$1.0 billion in 1987. Data on specific materials consumed appear in table 3.

#### INDUSTRY 2253, KNIT OUTERWEAR MILLS

In the 1987 Census of Manufactures, Industry 2253, Knit Outerwear Mills, had employment of 59.6 thousand. The employment figure was 11 percent below the 66.8

<sup>1</sup>Standard Industrial Classification Manual: 1987. For sale by Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. Stock No. 041-001-00314-2.

Address inquiries to Bureau of the Census, Industry Division, Washington, DC 20233, or call **Gretchen Dickson** (301) 763-2510.

U.S. Department of Commerce  
BUREAU OF THE CENSUS

For sale by Superintendent of Documents, U.S. Government  
Printing Office, Washington, DC 20402.

BUREAU OF THE CENSUS  
LIBRARY



thousand reported in 1982. Compared with 1986, employment in 1987 decreased 1 percent. The 1986 data are based on the Bureau's annual survey of manufactures (ASM), which is a sample survey conducted each year between censuses.

The total value of shipments for establishments classified in this industry was \$3.2 billion.

In 1987, establishments in this industry accounted for 42 percent of products considered primary to the industry regardless of the industry in which they were produced (coverage ratio). In 1982, the coverage ratio was 53 percent. The products primary to this industry appear in table 2 and aggregated to \$3.2 billion in 1987.

The cost of materials and services used by establishments in this industry amounted to \$1.6 billion in 1987. Data on specific materials consumed appear in table 3.

## **INDUSTRY 2254, KNIT UNDERWEAR MILLS**

In the 1987 Census of Manufactures, Industry 2254, Knit Underwear Mills, had employment of 20.0 thousand. The employment figure was 10 percent below the 22.3 thousand reported in 1982. Compared with 1986, employment in 1987 decreased 10 percent. The 1986 data are based on the Bureau's annual survey of manufactures (ASM), which is a sample survey conducted each year between censuses.

The total value of shipments for establishments classified in this industry was \$1.1 billion.

In 1987, establishments in this industry accounted for 94 percent of products considered primary to the industry regardless of the industry in which they were produced (coverage ratio). In 1982, the coverage ratio was 93 percent. The products primary to this industry appear in table 2 and aggregated to \$835.5 million in 1987.

The cost of materials and services used by establishments in this industry amounted to \$557.9 million in 1987. Data on specific materials consumed appear in table 3.

## **INDUSTRY 2257, WEFT KNIT FABRIC MILLS**

In the 1987 Census of Manufactures, Industry 2257, Weft Knit Fabric Mills, had employment of 34.6 thousand. The employment figure was 11 percent above the 31.1 thousand reported in 1982. Compared with 1986, employment in 1987 increased 29 percent. The 1986 data are based on the Bureau's annual survey of manufactures (ASM), which is a sample survey conducted each year between censuses.

The total value of shipments for establishments classified in this industry was \$3.5 billion.

In 1987, establishments in this industry accounted for 95 percent of products considered primary to the industry regardless of the industry in which they were produced (coverage ratio). In 1982, the coverage ratio was 93 percent. The products primary to this industry appear in table 2 and aggregated to \$3.5 billion in 1987.

The cost of materials and services used by establishments in this industry amounted to \$2.2 billion in 1987. Data on specific materials consumed appear in table 3.

## **INDUSTRY 2258, WARP KNIT FABRIC MILLS AND LACE GOODS**

In the 1987 Census of Manufactures, Industry 2258, Warp Knit Fabric Mills and Lace Goods, had employment of 20.1 thousand. The employment figure was 5 percent below the 21.1 thousand reported in 1982. Compared with 1986, employment in 1987 increased 25 percent. The 1986 data are based on the Bureau's annual survey of manufactures (ASM), which is a sample survey conducted each year between censuses.

The total value of shipments for establishments classified in this industry was \$2.0 billion.

In 1987, establishments in this industry accounted for 92 percent of products considered primary to the industry regardless of the industry in which they were produced (coverage ratio). The products primary to this industry appear in table 2 and aggregated to \$2.1 billion in 1987.

The cost of materials and services used by establishments in this industry amounted to \$1.2 billion in 1987. Data on specific materials consumed appear in table 3.

## **INDUSTRY 2259, KNITTING MILLS, N.E.C.**

In the 1987 Census of Manufactures, Industry 2259, Knitting Mills, N.E.C., had employment of 3.2 thousand. The employment figure was 10 percent above the 2.9 thousand reported in 1982. Compared with 1986, employment in 1987 increased 19 percent. The 1986 data are based on the Bureau's annual survey of manufactures (ASM), which is a sample survey conducted each year between censuses.

The total value of shipments for establishments classified in this industry was \$168.3 million.

In 1987, establishments in this industry accounted for 69 percent of products considered primary to the industry regardless of the industry in which they were produced (coverage ratio). In 1982, the coverage ratio was 81 percent. The products primary to this industry appear in table 2 and aggregated to \$234.2 million in 1987.

The cost of materials and services used by establishments in this industry amounted to \$82.5 million in 1987. Data on specific materials consumed appear in table 3.

## **ABBREVIATIONS AND SYMBOLS**

The following abbreviations and symbols are used in the tables in this publication:

- Represents zero.
- (D) Withheld to avoid disclosing data for individual



companies; data are included in higher level totals.

(NA)	Not available.
(NC)	Not comparable.
(S)	Withheld because estimate did not meet publication standards on the basis of either the response rate or a consistency review.
(X)	Not applicable.
(Z)	Less than half the unit shown.
do	Ditto.
n.e.c.	Not elsewhere classified.
n.s.k.	Not specified by kind.
pt.	Part.
r	Revised.
SIC	Standard Industrial Classification.

Other abbreviations, such as lb, gal, yd, doz, bbl, and s tons, are used in the customary sense.

## CONTACTS FOR DATA USERS

Subject Area	Contact	Phone
Census/ASM		
Durables	Kenneth Hansen	(301) 763-7304
Nondurables	Michael Zampogna	(301) 763-2510
Current Industrial Reports		
Durables	Malcolm Bernhardt	(301) 763-2518
Nondurables	Thomas Flood	(301) 763-5911
Import/Export Publications	Foreign Trade Division	(301) 763-5140
Industry Analysis and Forecasts	International Trade Administration	(202) 377-4356

# Table 1. Historical Statistics for the Industry: 1987 and Earlier Years

[Excludes data for auxiliaries. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendix.]

Year <sup>1</sup>	Companies <sup>2</sup> (no.)	All establishments <sup>3</sup>		All employees		Production workers			Value added by manufac- ture <sup>4</sup> (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	New capital expend- itures (million dollars)	End-of- year invento- ries <sup>4</sup> (million dollars)	Ratios	
		Total (no.)	With 20 employ- ees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)						Spe- cial- ization (per- cent)	Cover- age (per- cent)
INDUSTRY 2251, WOMEN'S HOSIERY, EXCEPT SOCKS															
1987 Census	130	152	93	29.3	385.7	25.9	53.7	321.0	769.0	715.2	1 496.7	32.3	182.0	98	98
1986 ASM	(NA)	(NA)	(NA)	30.7	403.6	27.3	56.5	309.6	953.3	740.1	1 682.3	28.5	207.6	(NA)	(NA)
1985 ASM	(NA)	(NA)	(NA)	30.8	383.2	27.4	55.5	290.9	914.0	655.2	1 568.2	36.2	184.6	(NA)	(NA)
1984 ASM	(NA)	(NA)	(NA)	31.2	372.1	27.5	52.6	287.8	969.2	686.7	1 654.4	27.4	185.0	(NA)	(NA)
1983 ASM	(NA)	(NA)	(NA)	30.8	354.5	27.5	53.2	278.8	903.0	677.3	1 566.9	26.2	181.5	(NA)	(NA)
1982 Census	180	206	117	30.2	311.1	26.7	49.6	241.5	777.4	636.8	1 411.3	26.0	159.9	95	91
1981 ASM	(NA)	(NA)	(NA)	29.6	289.5	25.4	49.4	224.3	708.9	605.7	1 304.5	22.6	187.3	(NA)	(NA)
1980 ASM	(NA)	(NA)	(NA)	30.1	277.8	26.3	50.1	221.1	654.6	570.1	1 218.6	27.8	175.0	(NA)	(NA)
1979 ASM	(NA)	(NA)	(NA)	31.2	266.5	27.4	52.2	213.1	638.7	534.2	1 162.2	26.6	168.8	(NA)	(NA)
1978 ASM	(NA)	(NA)	(NA)	28.0	224.2	24.7	45.0	178.7	520.9	476.9	995.7	<sup>5</sup> 23.3	133.4	(NA)	(NA)
1977 Census	176	200	119	26.6	191.3	23.8	44.1	156.6	457.0	415.5	871.2	16.6	122.9	91	95
1976 ASM	(NA)	(NA)	(NA)	26.4	179.3	23.6	43.1	145.2	362.4	356.4	713.5	13.1	113.1	(NA)	(NA)
1975 ASM	(NA)	(NA)	(NA)	30.5	185.9	26.8	47.2	148.1	334.0	402.9	762.5	15.9	119.8	(NA)	(NA)
1974 ASM	(NA)	(NA)	(NA)	34.7	194.4	30.3	52.7	152.9	326.2	435.6	781.7	13.7	139.3	(NA)	(NA)
1973 ASM <sup>6</sup>	(NA)	(NA)	(NA)	48.0	234.6	40.4	70.3	188.3	381.0	501.2	886.1	17.8	172.7	(NA)	(NA)
1972 Census	256	312	217	49.5	247.4	43.5	80.0	199.0	438.8	533.3	984.7	15.9	175.8	94	97
INDUSTRY 2252, HOSIERY, N.E.C.															
1987 Census	373	425	276	38.5	467.8	32.5	59.6	372.0	960.1	1 009.0	1 952.3	64.6	273.3	95	91
1986 ASM	(NA)	(NA)	(NA)	32.9	414.7	28.9	52.9	322.4	736.7	890.4	1 618.9	29.4	224.0	(NA)	(NA)
1985 ASM	(NA)	(NA)	(NA)	31.7	386.4	27.9	51.0	297.4	698.1	854.5	1 551.0	31.0	213.1	(NA)	(NA)
1984 ASM	(NA)	(NA)	(NA)	33.3	376.5	28.6	53.7	293.0	707.7	900.1	1 604.3	35.4	208.0	(NA)	(NA)
1983 ASM	(NA)	(NA)	(NA)	33.6	374.5	30.4	56.0	298.0	771.6	876.8	1 616.5	26.5	251.4	(NA)	(NA)
1982 Census	376	420	263	32.6	326.5	28.8	51.2	258.1	617.3	832.2	1 443.4	31.4	199.2	92	95
1981 ASM	(NA)	(NA)	(NA)	30.9	303.6	27.0	51.7	235.1	537.4	771.2	1 294.4	32.7	168.6	(NA)	(NA)
1980 ASM	(NA)	(NA)	(NA)	32.3	290.4	28.1	53.4	226.8	495.1	708.9	1 192.9	22.1	161.6	(NA)	(NA)
1979 ASM	(NA)	(NA)	(NA)	31.3	260.8	27.5	52.7	207.9	436.4	625.4	1 061.3	15.5	147.6	(NA)	(NA)
1978 ASM	(NA)	(NA)	(NA)	32.9	245.8	29.7	55.6	201.9	470.1	581.1	1 031.2	15.2	150.2	(NA)	(NA)
1977 Census	382	415	257	32.2	218.7	29.0	52.6	179.4	401.5	525.1	921.3	14.8	127.3	98	96
1976 ASM	(NA)	(NA)	(NA)	30.2	193.4	26.8	47.6	155.5	357.8	445.4	798.3	14.5	114.4	(NA)	(NA)
1975 ASM	(NA)	(NA)	(NA)	29.4	169.7	26.3	44.0	136.5	350.7	360.2	720.6	9.9	100.5	(NA)	(NA)
1974 ASM	(NA)	(NA)	(NA)	30.0	165.9	26.9	47.0	128.7	281.6	352.6	631.5	12.1	106.1	(NA)	(NA)
1973 ASM	(NA)	(NA)	(NA)	33.4	170.8	30.0	53.0	138.2	305.2	342.2	640.9	18.0	105.9	(NA)	(NA)
1972 Census	375	415	269	32.6	159.7	29.3	53.8	128.5	295.2	309.7	600.6	12.5	91.5	95	94
INDUSTRY 2253, KNIT OUTERWEAR MILLS															
1987 Census	802	815	439	59.6	848.6	51.0	97.7	622.6	1 641.3	1 603.9	3 199.7	95.2	568.7	95	742
1986 ASM	(NA)	(NA)	(NA)	60.4	824.9	51.4	95.2	601.6	1 695.3	1 741.5	3 447.2	85.6	571.1	(NA)	(NA)
1985 ASM	(NA)	(NA)	(NA)	62.7	830.2	52.9	97.2	603.8	1 675.4	1 894.5	3 604.3	86.5	626.3	(NA)	(NA)
1984 ASM	(NA)	(NA)	(NA)	67.8	835.0	57.2	109.2	609.6	1 906.4	1 754.5	3 607.1	116.6	672.5	(NA)	(NA)
1983 ASM	(NA)	(NA)	(NA)	74.5	862.3	63.4	114.5	636.2	1 842.6	1 609.7	3 410.0	63.8	600.6	(NA)	(NA)
1982 Census	896	923	482	66.8	741.4	55.9	102.0	539.8	1 704.8	1 476.8	3 182.4	53.5	533.4	95	53
1981 ASM	(NA)	(NA)	(NA)	64.7	682.3	55.3	100.9	509.4	1 440.7	1 376.4	2 807.8	50.0	396.2	(NA)	(NA)
1980 ASM	(NA)	(NA)	(NA)	67.1	637.4	57.9	104.0	479.6	1 339.1	1 263.3	2 571.7	48.5	371.8	(NA)	(NA)
1979 ASM	(NA)	(NA)	(NA)	61.9	548.1	53.4	95.8	405.2	1 098.0	1 125.1	2 220.8	35.5	345.4	(NA)	(NA)
1978 ASM	(NA)	(NA)	(NA)	72.1	608.5	62.8	112.5	454.1	1 202.8	1 153.5	2 333.3	44.2	423.8	(NA)	(NA)
1977 Census	903	953	551	73.0	582.0	62.7	114.0	422.0	1 159.5	1 207.1	2 335.9	49.9	393.4	90	53
1976 ASM	(NA)	(NA)	(NA)	69.3	525.7	59.4	108.9	380.3	994.4	1 144.8	2 140.7	35.2	328.2	(NA)	(NA)
1975 ASM	(NA)	(NA)	(NA)	65.4	483.3	55.6	103.2	349.5	953.4	1 012.8	1 995.7	46.7	315.8	(NA)	(NA)
1974 ASM	(NA)	(NA)	(NA)	76.1	513.7	65.7	120.8	373.1	996.7	1 069.4	2 047.3	41.9	351.2	(NA)	(NA)
1973 ASM	(NA)	(NA)	(NA)	80.2	491.7	70.0	132.2	371.1	937.5	989.0	1 914.3	54.0	316.1	(NA)	(NA)
1972 Census	882	917	547	74.4	430.4	65.1	122.5	324.1	799.5	919.0	1 703.8	45.9	273.2	92	62
INDUSTRY 2254, KNIT UNDERWEAR MILLS															
1987 Census	59	65	46	20.0	288.3	18.1	34.7	243.0	534.9	557.9	1 086.1	32.1	179.5	88	94
1986 ASM	(NA)	(NA)	(NA)	22.3	301.1	20.5	37.4	251.8	559.8	705.4	1 277.6	33.5	216.7	(NA)	(NA)
1985 ASM	(NA)	(NA)	(NA)	24.0	301.8	21.6	39.2	250.2	491.7	671.7	1 136.2	22.7	230.9	(NA)	(NA)
1984 ASM	(NA)	(NA)	(NA)	25.0	302.2	22.1	41.3	248.0	492.8	513.9	1 010.7	24.1	221.1	(NA)	(NA)
1983 ASM	(NA)	(NA)	(NA)	20.6	226.4	18.2	33.4	187.5	449.9	383.1	824.3	11.6	179.4	(NA)	(NA)
1982 Census	72	84	61	22.3	232.3	20.0	35.3	191.7	446.2	369.7	829.9	9.3	167.4	88	93
1981 ASM	(NA)	(NA)	(NA)	25.0	247.3	22.5	40.0	205.9	385.1	363.6	841.2	17.2	218.0	(NA)	(NA)
1980 ASM	(NA)	(NA)	(NA)	25.9	245.0	23.6	43.1	204.7	392.2	458.0	863.5	21.4	197.5	(NA)	(NA)
1979 ASM	(NA)	(NA)	(NA)	28.2	228.3	25.3	45.4	186.5	405.0	412.5	802.2	<sup>5</sup> 32.7	189.7	(NA)	(NA)
1978 ASM	(NA)	(NA)	(NA)	27.5	209.4	24.9	46.2	177.5	409.8	381.1	747.6	21.9	170.4	(NA)	(NA)
1977 Census	80	92	74	25.2	175.2	23.4	42.7	151.8	305.7	353.1	648.9	14.5	131.3	80	86
1976 ASM	(NA)	(NA)	(NA)	27.6	178.6	25.4	46.3	155.4	288.2	396.7	663.9	9.7	141.1	(NA)	(NA)
1975 ASM	(NA)	(NA)	(NA)	25.6	158.0	23.5	40.6	130.8	258.2	352.8	637.9	19.3	117.2	(NA)	(NA)
1974 ASM	(NA)	(NA)	(NA)	25.0	148.7	22.9	41.1	124.2	278.9	359.5	629.7	9.5	109.2	(NA)	(NA)
1973 ASM	(NA)	(NA)	(NA)	26.5	143.1	24.2	43.1	120.0	257.1	311.3	559.4	6.1	100.8	(NA)	(NA)
1972 Census	74	87	74	26.0	134.6	23.8	43.5	111.6	251.5	290.2	544.6	7.0	83.6	90	94
INDUSTRY 2257, WEFT KNIT FABRIC MILLS															
1987 Census	302	334	210	34.6	573.1	29.1	57.0	421.5	1 408.2	2 169.5	3 548.3	94.2	291.2	94	95
1986 ASM	(NA)	(NA)	(NA)	26.8	444.0	22.3	43.9	323.5	927.4	1 642.2	2 562.2	70.6	206.1	(NA)	(NA)
1985 ASM	(NA)	(NA)	(NA)	25.7	418.6	21.1	41.4	299.6	744.7	1 430.2	2 174.3	66.5	190.3	(NA)	(NA)
1984 ASM	(NA)	(NA)	(NA)	29.7	420.3	24.7	46.2	306.3	772.1	1 534.7	2 319.1	68.8	193.5	(NA)	(NA)
1983 ASM	(NA)	(NA)	(NA)	31.2	432.1	25.7	53.0	316.1	876.7	1 715.6	2 5				



Table 1. Historical Statistics for the Industry: 1987 and Earlier Years—Con.

[Excludes data for auxiliaries. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendix.]

Year <sup>1</sup>	Companies <sup>2</sup> (no.)	All establishments <sup>3</sup>		All employees		Production workers			Value added by manufac- ture <sup>4</sup> (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	New capital expend- itures (million dollars)	End-of- year invento- ries <sup>5</sup> (million dollars)	Ratios	
		Total (no.)	With 20 employ- ees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)						Spe- cial- ization (per- cent)	Cover- age (per- cent)
INDUSTRY 2257, WEFT KNIT FABRIC MILLS—Con.															
1977 Census ----	462	530	310	51.8	493.0	44.0	88.2	371.2	1 033.5	2 141.1	3 169.4	91.6	316.2	90	88
1976 ASM ----	(NA)	(NA)	(NA)	53.9	483.2	45.7	93.2	351.7	974.9	1 824.9	2 816.5	87.1	280.4	(NA)	(NA)
1975 ASM ----	(NA)	(NA)	(NA)	56.5	473.5	47.6	94.4	345.9	982.7	1 782.6	2 791.1	94.2	289.9	(NA)	(NA)
1974 ASM ----	(NA)	(NA)	(NA)	64.8	505.2	54.1	110.9	370.8	953.2	1 890.3	2 860.1	115.5	303.2	(NA)	(NA)
1973 ASM <sup>6</sup> ----	(NA)	(NA)	(NA)	68.9	522.5	58.3	119.7	384.4	1 072.0	1 848.7	2 915.1	155.9	352.8	(NA)	(NA)
1972 Census ----	629	716	430	68.1	492.6	57.3	121.7	362.1	1 036.0	1 800.8	2 808.8	270.1	336.4	93	91
INDUSTRY 2258, WARP KNIT FABRIC MILLS AND LACE GOODS <sup>9</sup>															
1987 Census ----	207	234	154	20.1	379.2	16.5	35.7	280.2	764.1	1 168.5	1 953.9	65.6	217.1	98	92
1986 ASM ----	(NA)	(NA)	(NA)	16.1	289.3	13.3	26.8	208.0	588.6	944.1	1 533.9	55.2	189.5	(NA)	(NA)
1985 ASM ----	(NA)	(NA)	(NA)	17.6	308.4	14.3	29.1	217.3	712.5	983.5	1 705.7	74.7	187.0	(NA)	(NA)
1984 ASM ----	(NA)	(NA)	(NA)	18.8	307.6	15.4	32.9	222.1	745.9	995.0	1 728.8	74.2	200.3	(NA)	(NA)
1983 ASM ----	(NA)	(NA)	(NA)	23.0	350.7	18.5	38.6	256.6	740.2	1 121.6	1 839.8	40.4	229.1	(NA)	(NA)
1982 Census ----	124	272	152	21.1	286.4	17.0	33.0	207.3	580.4	929.5	1 538.0	44.9	196.1	(NA)	(NA)
1981 ASM ----	(NA)	(NA)	(NA)	23.7	309.5	20.3	41.1	235.3	687.8	1 145.9	1 835.2	68.0	238.3	(NA)	(NA)
1980 ASM ----	(NA)	(NA)	(NA)	25.0	300.8	21.3	42.9	228.3	676.2	1 198.7	1 850.8	42.3	246.0	(NA)	(NA)
1979 ASM ----	(NA)	(NA)	(NA)	26.6	284.4	22.6	46.3	217.6	595.4	1 210.9	1 806.8	42.3	240.2	(NA)	(NA)
1978 ASM ----	(NA)	(NA)	(NA)	25.1	255.7	21.3	43.5	196.5	563.2	1 140.1	1 683.7	35.4	239.0	(NA)	(NA)
1977 Census ----	283	306	177	25.9	244.6	21.9	45.5	183.8	472.1	982.4	1 453.1	57.3	221.6	(NA)	(NA)
1976 ASM ----	(NA)	(NA)	(NA)	23.8	214.6	20.2	40.4	157.2	445.6	984.2	1 418.6	44.3	202.9	(NA)	(NA)
1975 ASM ----	(NA)	(NA)	(NA)	21.3	191.6	17.7	35.0	134.5	364.2	915.9	1 292.7	33.9	191.1	(NA)	(NA)
1974 ASM ----	(NA)	(NA)	(NA)	23.5	192.5	19.6	39.5	139.5	392.4	888.1	1 280.0	38.4	194.2	(NA)	(NA)
1973 ASM ----	(NA)	(NA)	(NA)	26.8	193.3	22.3	45.2	144.7	397.0	1 182.7	1 827.7	40.4	203.9	(NA)	(NA)
1972 Census ----	273	308	184	24.9	176.5	20.9	43.9	134.0	347.2	712.3	1 034.8	49.9	174.1	(NA)	(NA)
INDUSTRY 2259, KNITTING MILLS, N.E.C.															
1987 Census ----	79	79	36	3.2	43.3	2.7	4.9	32.0	82.5	86.9	168.3	5.3	21.8	99	69
1986 ASM ----	(NA)	(NA)	(NA)	2.7	42.4	2.4	4.6	33.2	79.1	79.7	157.1	3.5	22.2	(NA)	(NA)
1985 ASM ----	(NA)	(NA)	(NA)	2.4	34.3	2.1	3.1	26.2	62.0	61.5	124.4	1.9	18.3	(NA)	(NA)
1984 ASM ----	(NA)	(NA)	(NA)	2.6	31.6	2.3	4.2	24.6	62.6	59.1	121.2	2.4	20.0	(NA)	(NA)
1983 ASM ----	(NA)	(NA)	(NA)	3.0	38.1	2.9	5.2	29.5	65.9	67.5	133.2	3.0	29.4	(NA)	(NA)
1982 Census ----	71	72	29	2.9	33.8	2.5	4.7	25.7	55.4	57.5	114.5	1.5	27.3	97	81
1981 ASM ----	(NA)	(NA)	(NA)	3.2	29.6	3.0	6.6	24.2	32.2	57.0	100.5	1.6	19.9	(NA)	(NA)
1980 ASM ----	(NA)	(NA)	(NA)	3.6	30.7	3.3	6.9	25.8	44.9	56.0	115.1	2.6	19.8	(NA)	(NA)
1979 ASM ----	(NA)	(NA)	(NA)	4.2	32.4	3.9	8.0	26.6	55.3	61.3	116.2	3.3	21.0	(NA)	(NA)
1978 ASM ----	(NA)	(NA)	(NA)	4.0	30.9	3.7	7.5	24.5	51.1	57.5	105.5	<sup>2</sup> 2.2	22.9	(NA)	(NA)
1977 Census ----	<sup>8</sup> 191	<sup>8</sup> 192	47	3.4	24.1	3.1	6.0	19.0	40.9	54.8	95.7	1.5	15.2	97	81
1976 ASM <sup>6</sup> ----	(NA)	(NA)	(NA)	3.1	29.3	2.6	5.8	22.6	51.0	55.8	108.0	2.3	18.5	(NA)	(NA)
1975 ASM <sup>6</sup> ----	(NA)	(NA)	(NA)	4.5	37.4	3.9	8.5	29.3	59.8	59.5	122.3	8.7	23.9	(NA)	(NA)
1974 ASM <sup>6</sup> ----	(NA)	(NA)	(NA)	4.7	31.7	4.0	8.0	25.4	61.3	58.3	118.0	5.1	21.9	(NA)	(NA)
1973 ASM ----	(NA)	(NA)	(NA)	4.1	25.4	3.5	7.0	19.5	44.8	38.3	83.3	2.2	16.8	(NA)	(NA)
1972 Census ----	72	73	33	3.9	23.1	3.3	6.5	17.4	41.8	32.2	73.1	2.0	13.9	93	78

Note: Establishments of single unit companies with up to 20 employees (cutoff varied by industry) were excluded from the mail portion of the census. Data for these establishments (and a small number of larger establishments whose reports were not received at the time the data were tabulated) were estimated based on administrative-record information from other agencies in conjunction with industry averages. These establishments accounted for the following percent of total value of shipments: SIC 2251, 4%; SIC 2252, 9%; SIC 2253, 16%; SIC 2254, 1%; SIC 2257, 9%; SIC 2258, 10%; and SIC 2259, 17%.

<sup>1</sup>In annual survey of manufactures (ASM) years, data are estimates based on a representative sample of establishments canvassed annually and may differ from results of a complete canvass of all establishments. ASM publication shows percentage standard errors. Unless otherwise noted, for data prior to 1972, see 1972 Census of Manufactures, vol. II, table 1a of the industry chapter.

<sup>2</sup>For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

<sup>3</sup>Includes establishments with payroll at any time during year.

<sup>4</sup>Beginning with the 1982 Census of Manufactures, all respondents were requested to report their inventories at (the lower of) cost or market prior to adjustment to LIFO cost. This is a change from prior Censuses and annual surveys of manufactures in which respondents were permitted to value their inventories using any generally accepted accounting method. Consequently, inventories and value added by manufacture reported are not comparable to prior-year data.

<sup>5</sup>Estimates for new capital expenditures have associated standard error of 15 percent or more and may be of limited reliability. Estimates for other data items are of acceptable reliability.

<sup>6</sup>Data either have associated standard errors exceeding 15 percent or are not consistent with other census series and related data; thus, these estimates may be of limited reliability.

<sup>7</sup>Knit outerwear produced in cut-and-sew shops is included in calculating coverage ratio.

<sup>8</sup>An unusually large number of administrative-record cases may have been misclassified by industry. This does not significantly affect the statistics other than the number of establishments and number of companies. The classification of establishments is further discussed in the appendix.

<sup>9</sup>Industry 2258 was redefined for 1987. It is now composed of 1982 Industries 2258 and 2292.

**Table 2. Product and Product Classes—Quantity and Value of Shipments by All Producers: 1987 and 1982**

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. For further explanation, see Value of Shipments in appendix. For meaning of abbreviations and symbols, see introductory text.]

1987 product code	Product	1987			1982		
		Number of companies with shipments of \$100,000 or more	Product shipments <sup>1</sup>		Number of companies with shipments of \$100,000 or more	Product shipments <sup>1</sup>	
			Quantity <sup>2</sup>	Value (million dollars)		Quantity <sup>2</sup>	Value (million dollars)
<b>2251- --</b>	<b>WOMEN'S HOSIERY, EXCEPT SOCKS</b>						
	Total .....	(NA)	(X)	1 488.2	(NA)	(X)	1 312.8
22514 --	Women's finished hosiery, full-length and knee-length .....	(NA)	(X)	232.5	(NA)	(X)	240.9
22514 17	Seamless stockings, full-length and knee-length: Knee-length, stretch and nonstretch .....	23	32.2	175.4	39	31.3	141.6
22514 21	Full-length, nonfancy: Less than 30 denier, stretch and nonstretch .....	15	4.6	38.8	21	7.9	56.9
22514 37	Support .....	5	.5	4.3	10	.5	6.5
22514 39	All other full-length, nonfancy, including 30 denier or heavier, but excluding support .....	3	.2	1.1	(NA)	(NA)	8.1
22514 45	Finished full-fashioned hosiery, all lengths and denier; and other full-length stockings, including fancy stockings 370- needle and finer and stockings knit on less than 370- needle .....	2	(D)	(D)	7	1.7	27.8
22514 00	Women's finished hosiery, full-length and knee-length, n.s.k. ....	(NA)	(X)	(D)	(NA)	(X)	-
22516 --	Women's finished pantyhose .....	(NA)	(X)	1 107.2	(NA)	(X)	943.2
22516 12	Less than 30 denier, sheer stretch .....	45	*68.3	516.8	41	41.7	313.4
22516 14	30 denier or heavier, opaque stretch .....	26	11.8	118.8	26	14.5	208.9
22516 16	Elastomer: Control top, no leg support .....	19	16.4	185.2	26	17.6	187.6
22516 18	Leg support with or without control top .....	19	17.6	217.8	24	12.1	216.7
22516 19	Other miscellaneous sheers, including fancies, sewed on legs, waist connected legs, replaceable legs, nonstretch, etc., and waist-highs knit on less than 370-needle .....	8	4.7	67.3	6	1.2	13.7
22516 00	Women's finished pantyhose, n.s.k. ....	(NA)	(X)	1.4	(NA)	(X)	2.9
22518 --	Women's hosiery and pantyhose shipped in the greige .....	(NA)	(X)	106.8	(NA)	(X)	85.6
22518 14	Full-fashioned and seamless full-length and knee-length (except pantyhose and socks) .....	10	17.7	32.2	18	10.9	27.5
22518 17	Pantyhose shipped in the greige .....	18	14.2	74.6	21	11.7	57.7
22518 00	Women's hosiery shipped in the greige, n.s.k. ....	(NA)	(X)	-	(NA)	(X)	.4
22510 --	Women's hosiery, except socks, n.s.k. ....	(NA)	(X)	41.7	(NA)	(X)	43.1
22510 00	Women's hosiery, except socks, n.s.k., typically for establishments with 20 employees or more (see note) .....	(NA)	(X)	8.2	(NA)	(X)	26.4
22510 02	Women's hosiery, except socks, n.s.k., typically for establishments with less than 20 employees (see note) .....	(NA)	(X)	33.5	(NA)	(X)	16.7
<b>2252- --</b>	<b>HOSIERY, N.E.C.</b>						
	Total .....	(NA)	(X)	1 912.8	(NA)	(X)	1 437.1
22522 --	Men's finished hosiery (sizes 10 and up) .....	(NA)	(X)	799.9	(NA)	(X)	655.0
22522 23	Anklets (including slack socks, crew socks, athletic socks, etc.): Natural fibers (cotton and/or wool, etc.) .....	71	42.2	349.1	70	16.7	139.7
22522 25	Manmade fibers .....	51	*29.2	183.7	80	34.9	295.1
22522 33	Midcalf, including half hose: Natural fibers (cotton and/or wool, etc.) .....	39	16.9	107.9	30	4.3	37.3
22522 35	Manmade fibers .....	27	8.2	63.2	35	6.6	51.4
22522 43	Knee (Bermuda, campus, etc.): Natural fibers (cotton and/or wool, etc.) .....	23	*4.6	40.6	29	3.1	33.2
22522 45	Manmade fibers .....	19	*4.4	34.0	30	7.4	56.6
22522 87	Other, including foot socks .....	9	**1.5	12.6	6	3.2	31.0
22522 00	Men's finished seamless hosiery, n.s.k. ....	(NA)	(X)	8.9	(NA)	(X)	10.6
22525 --	All other finished hosiery .....	(NA)	(X)	698.7	(NA)	(X)	564.5
22525 11	Women's, misses', girls', and boys' (sizes 8-11): Anklets and sheer anklets (including slack socks, crew socks, athletic socks, etc.): Natural fibers (cotton and/or wool, etc.) .....	63	41.7	297.5	57	11.5	72.2
22525 17	Manmade fibers .....	47	14.2	71.9	57	17.3	122.5
22525 15	Misses' finished knee-length socks, all fibers (including Bermuda, campus, etc.), sizes 8-11 .....	26	12.5	81.5	37	13.8	112.5
22525 21	Girls' and boys' (excluding anklets): Knee (including Bermuda, campus, etc.): Natural fibers (cotton and/or wool, etc.) .....	23	3.7	25.2	23	2.0	14.1
22525 27	Manmade fibers .....	22	*4.0	29.6	30	8.9	65.0
22525 31	All others (including foot socks, stockings, and waist- highs) .....	13	*3.2	21.4	17	2.8	31.0

See footnotes at end of table.



**Table 2. Product and Product Classes—Quantity and Value of Shipments by All Producers: 1987 and 1982—Con.**

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. For further explanation, see Value of Shipments in appendix. For meaning of abbreviations and symbols, see introductory text]

1987 product code	Product	1987			1982		
		Number of companies with shipments of \$100,000 or more	Product shipments <sup>1</sup>		Number of companies with shipments of \$100,000 or more	Product shipments <sup>1</sup>	
			Quantity <sup>2</sup>	Value (million dollars)		Quantity <sup>2</sup>	Value (million dollars)
<b>2252- --</b>	<b>HOSIERY, N.E.C.—Con.</b>						
22525 --	All other finished hosiery—Con.						
	Infants' and children's (sizes 3 to 8 1/2):						
	Ankle socks (including slack socks, crew socks, athletic socks, etc.):						
22525 51	Natural fibers (cotton and/or wool, etc.) ----- mil doz						
	Manmade fibers ----- pairs..	43	10.5	63.7	28	6.2	33.3
22525 57	Knee (including Bermuda, campus, etc.) ----- do..	29	6.6	44.4	36	10.1	54.3
22525 61	All other (including foot socks, stockings, and waist-	16	1.6	12.7	18	3.7	21.4
22525 81	high) ----- do..	15	(S)	14.6	12	4.6	31.0
22525 00	All other finished seamless hosiery, n.s.k. -----	(NA)	(X)	36.2	(NA)	(X)	7.2
22526 --	Hosiery shipped in the greige (except women's full-length and						
	pantyhose) -----	(NA)	(X)	238.5	(NA)	(X)	155.6
22526 25	Men's, all types (sizes 10 and up) ----- mil doz						
	Women's and misses' (except full-length and pantyhose);	42	**24.0	125.8	57	*21.1	113.2
22526 42	girls' and boys' ----- do..	40	*20.3	85.0	25	6.7	27.2
22526 51	Children's and infants' ----- do..	17	**6.3	22.6	14	3.2	13.3
22526 00	Hosiery, except women's full-length and pantyhose,						
	shipped in the greige, n.s.k. -----	(NA)	(X)	5.1	(NA)	(X)	1.9
22520 --	Hosiery, n.e.c., n.s.k. -----	(NA)	(X)	175.6	(NA)	(X)	61.9
22520 00	Hosiery, n.e.c., n.s.k., typically for establishments with 5						
	employees or more (see note) -----	(NA)	(X)	108.9	(NA)	(X)	34.2
22520 02	Hosiery, n.e.c., n.s.k., typically for establishments with less						
	than 5 employees (see note) -----	(NA)	(X)	66.7	(NA)	(X)	27.7
<b>2253- --</b>	<b>KNIT OUTERWEAR MILLS<sup>3</sup></b>						
	Total -----	(NA)	(X)	3 203.1	(X)	(X)	3 154.2
22534 --	Men's and boys' sweaters (from yarns or from fabrics knit in						
	the same establishment):						
22534 00	Men's and boys' sweaters (from yarns or from fabrics knit						
	in the same establishment) (see also code 2329360) (for						
	additional detail, see Current Industrial Report MA-23A,	50	(X)	364.8	63	(X)	362.9
	Apparel) -----						
22535 --	Women's, misses', and juniors' sweaters (from yarns or from						
	fabrics knit in the same establishment):						
22535 00	Women's, misses', and juniors' sweaters (from yarns or						
	from fabrics knit in the same establishment) (see also						
	code 2339730) (for additional detail, see Current Industrial	75	(X)	425.7	88	(X)	310.6
	Report MA-23A, Apparel) -----						
22536 --	Girls', children's, and infants' sweaters (from yarns or from						
	fabrics knit in the same establishment):						
22536 00	Girls', children's, and infants' sweaters (from yarns or from						
	fabrics knit in the same establishment) (see also code						
	2369370) (for additional detail, see Current Industrial	17	(X)	40.9	18	(X)	50.9
	Report MA-23A, Apparel) -----						
2253A --	Men's and boys' knit shirts (from yarns or from fabrics knit in						
	the same establishment):						
2253A 00	Men's and boys' knit shirts (from yarns or from fabrics knit						
	in the same establishment) (see also codes 2321300 and						
	2326100) (for additional detail, see Current Industrial	38	(X)	672.8	(NA)	(X)	830.7
	Report MA-23A, Apparel) -----						
2253B --	Women's, misses', and juniors' knit shirts and blouses (from						
	yarns or from fabrics knit in the same establishment):						
2253B 00	Women's, misses', and juniors' knit shirts and blouses						
	(from yarns or from fabrics knit in the same establishment)						
	(see also code 2331300) (for additional detail, see Current	26	(X)	143.5	(NA)	(X)	216.8
	Industrial Report MA-23A, Apparel) -----						
2253C --	Girls', children's, and infants' knit shirts and blouses (from						
	yarns or from fabrics knit in the same establishment):						
2253C 00	Girls', children's, and infants' knit shirts and blouses (from						
	yarns or from fabrics knit in the same establishment) (see						
	also code 2361300) (for additional detail, see Current	9	(X)	52.9	(NA)	(X)	48.5
	Industrial Report MA-23A, Apparel) -----						
2253D --	All other knit outerwear products (from yarns or from fabrics						
	knit in the same establishment) -----	(NA)	(X)	760.5	(X)	(X)	751.9
	Women's, misses', and juniors':						
2253D 11	Dresses (see also code 2335300) (for additional detail,						
	see Current Industrial Report MA-23A, Apparel) -----	7	(X)	28.2	15	(X)	15.1
2253D 13	Suits (see also code 2337200) (for additional detail, see						
	Current Industrial Report MA-23A, Apparel) -----	3	(X)	(D)	5	(X)	36.1
2253D 15	Slacks, jeans, and dungarees (see also code 2339500)						
	(for additional detail, see Current Industrial Report MA-						
	23A, Apparel) -----	10	(X)	24.2	9	(X)	52.8
2253D 16	Swimwear (see also code 2339400) (for additional detail,						
	see Current Industrial Report MA-23A, Apparel) -----	4	(X)	(D)	5	(X)	24.4
2253D 19	All other outerwear (see also code 23397) -----	27	(X)	205.6	48	(X)	213.6

See footnotes at end of table.

**Table 2. Product and Product Classes—Quantity and Value of Shipments by All Producers: 1987 and 1982—Con.**

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. For further explanation, see Value of Shipments in appendix. For meaning of abbreviations and symbols, see introductory text.]

1987 product code	Product	1987			1982		
		Number of companies with shipments of \$100,000 or more	Product shipments <sup>1</sup>		Number of companies with shipments of \$100,000 or more	Product shipments <sup>1</sup>	
			Quantity <sup>2</sup>	Value (million dollars)		Quantity <sup>2</sup>	Value (million dollars)
<b>2253--</b>	<b>KNIT OUTERWEAR MILLS<sup>3</sup>—Con.</b>						
2253D --	All other knit outerwear products (from yarns or from fabrics knit in the same establishment)—Con.						
2253D 33	Men's and boys': Trousers and slacks (see also codes 23251 and 23252) (for additional detail, see Current Industrial Report MA-23A, Apparel) .....	3	(X)	(D)	31	(X)	229.8
2253D 38	Other outerwear, including suits .....	17	(X)	351.5			
2253D 62	Girls', teenage girls', children's, and infants' other outerwear including dresses, slacks, etc. (see also codes 23614, 23615, 23692, and 23693) .....	9	(X)	147.9	22	(X)	107.4
2253D 00	Knit outerwear products made from yarns or from fabrics knit in the same establishment, n.s.k. ....	(NA)	(X)	3.0	(NA)	(X)	72.7
2253E --	Contract and commission receipts for knitting only or knitting and finishing outerwear products .....	219	(X)	302.4	(NA)	(X)	209.8
2253E 00	Receipts for knitting only or knitting and finishing outerwear products, typically for establishments with 10 employees or more (see note) .....	219	(X)	284.0	(NA)	(X)	196.3
2253E 02	Receipts for knitting only or knitting and finishing outerwear products, typically for establishments with less than 10 employees (see note) .....	(NA)	(X)	18.4	(NA)	(X)	13.5
22530 --	Knit outerwear mill products, n.s.k. ....	(NA)	(X)	439.5	(NA)	(X)	372.1
22530 00	Knit outerwear mill products, n.s.k., typically for establishments with 10 employees or more (see note) .....	(NA)	(X)	360.8	(NA)	(X)	328.0
22530 02	Knit outerwear mill products, n.s.k., typically for establishments with less than 10 employees (see note) .....	(NA)	(X)	78.7	(NA)	(X)	44.1
<b>2254--</b>	<b>KNIT UNDERWEAR MILLS<sup>3</sup></b>						
	<b>Total .....</b>	<b>(NA)</b>	<b>(X)</b>	<b>835.5</b>	<b>(NA)</b>	<b>(X)</b>	<b>767.4</b>
22541 --	Men's and boys' knit underwear and nightwear (from yarns or from fabrics knit in the same establishment) .....	(NA)	(X)	630.2	(NA)	(X)	574.8
22541 11	Men's and boys' underwear (see also code 2322100) (for additional detail, see Current Industrial Report MA-23A, Apparel) .....	24	(X)	616.2	31	(X)	557.7
22541 13	Men's and boys' nightwear (see also code 2322200) (for additional detail, see Current Industrial Report MA-23A, Apparel) .....	4	(X)	12.0	10	(X)	15.6
22541 00	Men's and boys' knit underwear and nightwear, n.s.k. ....	(NA)	(X)	2.0	(NA)	(X)	1.5
22542 --	Women's and children's knit underwear (from yarns or from fabrics knit in the same establishment):						
22542 00	Women's and children's knit underwear (from yarns or from fabrics knit in the same establishment) (see also code 2341200) (for additional detail, see Current Industrial Report MA-23A, Apparel) .....	26	(X)	152.4	27	(X)	125.3
22543 --	Women's and children's knit nightwear (from yarns or from fabrics knit in the same establishment):						
22543 00	Women's and children's knit nightwear (from yarns or from fabrics knit in the same establishment) (see also code 2341300) (for additional detail, see Current Industrial Report MA-23A, Apparel) .....	12	(X)	41.6	16	(X)	61.9
22540 --	Knit underwear mill products, n.s.k. ....	(NA)	(X)	11.3	(NA)	(X)	5.4
22540 00	Knit underwear mill products, n.s.k., typically for establishments with 10 employees or more (see note) .....	(NA)	(X)	4.4	(NA)	(X)	3.0
22540 02	Knit underwear mill products, n.s.k., typically for establishments with less than 10 employees (see note) .....	(NA)	(X)	6.9	(NA)	(X)	2.4
<b>2257--</b>	<b>WEFT KNIT FABRIC MILLS</b>						
	<b>Total .....</b>	<b>(NA)</b>	<b>(X)</b>	<b>3 499.4</b>	<b>(NA)</b>	<b>(X)</b>	<b>2 494.9</b>
22571 --	Weft knit fabrics greige goods, except hosiery .....	(NA)	(X)	880.6	(NA)	(X)	467.6
22571 10	Narrow fabrics (12 inches wide or less) .....	16	45.6	89.8	5	20.7	36.9
22571 20	Broad fabrics (more than 12 inches wide) .....	54	*382.1	777.8	38	*211.1	423.7
22571 00	Weft knit fabrics greige goods, except hosiery, n.s.k. ....	(NA)	(X)	12.9	(NA)	(X)	7.1
22573 --	Finished weft knit fabrics (except hosiery) .....	(NA)	(X)	2 051.1	(NA)	(NA)	1 567.7
	Knit and finished in the same establishment:						
22573 10	Narrow fabrics (12 inches wide or less) .....	16	78.5	100.8	(NA)	(NA)	(NA)
22573 20	Broad fabrics (more than 12 inches wide) .....	49	574.5	1 311.5	(NA)	(NA)	(NA)
	Purchased and finished in same plant:						
22573 30	Narrow fabrics (12 inches wide or less) .....	2	(D)	(D)	(NA)	(NA)	(NA)
22573 40	Broad fabrics (more than 12 inches wide) .....	19	265.2	567.3	(NA)	(NA)	(NA)
22573 00	Finished weft knit fabrics (except hosiery), n.s.k. ....	(NA)	(X)	(D)	(NA)	(NA)	(NA)
22579 --	Contract and commission receipts for finishing only or knitting and finishing of weft knit fabrics (except hosiery) .....	(NA)	(X)	283.1	(NA)	(X)	282.5
22579 13	Finishing only .....	24	(X)	149.1	42	(X)	175.0
	Knitting only or knitting and finishing:						
22579 15	Narrow fabrics (12 inches wide or less) .....	3	(X)	(D)	36	(X)	40.5
22579 17	Broad fabrics (more than 12 inches wide) .....	52	(X)	120.1			
22579 00	Receipts for knitting only or knitting and finishing, n.s.k., typically for establishments with 5 employees or more (see note) .....	(NA)	(X)	(D)	(NA)	(X)	60.6
22579 02	Receipts for knitting only or knitting and finishing, n.s.k., typically for establishments with less than 5 employees (see note) .....	(NA)	(X)	1.4	(NA)	(X)	6.4

See footnotes at end of table.



**Table 2. Product and Product Classes—Quantity and Value of Shipments by All Producers: 1987 and 1982—Con.**

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. For further explanation, see Value of Shipments in appendix. For meaning of abbreviations and symbols, see introductory text.]

1987 product code	Product	1987			1982		
		Number of companies with shipments of \$100,000 or more	Product shipments <sup>1</sup>		Number of companies with shipments of \$100,000 or more	Product shipments <sup>1</sup>	
			Quantity <sup>2</sup>	Value (million dollars)		Quantity <sup>2</sup>	Value (million dollars)
<b>2257- --</b>	<b>WEFT KNIT FABRIC MILLS—Con.</b>						
22570 --	Weft knit fabrics mill products, n.s.k. ....	(NA)	(X)	284.6	(NA)	(X)	177.1
22570 00	Weft knit fabrics mill products, n.s.k., typically for establishments with 5 employees or more (see note) .....	(NA)	(X)	220.5	(NA)	(X)	120.5
22570 02	Weft knit fabrics mill products, n.s.k., typically for establishments with less than 5 employees (see note) .....	(NA)	(X)	64.1	(NA)	(X)	56.6
<b>2258- --</b>	<b>WARP KNIT FABRIC MILLS AND LACE GOODS</b>						
	<b>Total</b> .....	<b>(NA)</b>	<b>(X)</b>	<b>2 076.0</b>	<b>(NA)</b>	<b>(X)</b>	<b>1 641.9</b>
22581 --	Warp knit fabrics greige goods (tricot, raschel, simplex, and milanese) .....	(NA)	(X)	342.9	(NA)	(X)	445.5
22581 10	Narrow fabrics (12 inches wide or less) ..... mil lb ..	11	20.6	71.2	26	**12.4	45.4
22581 20	Broad fabrics (more than 12 inches wide) ..... do ..	47	89.5	266.7	48	120.4	361.4
22581 00	Warp knit fabrics greige goods, n.s.k. ....	(NA)	(X)	5.0	(NA)	(X)	38.7
22584 --	Finished warp knit fabrics (tricot, raschel, simplex, and milanese) .....	(NA)	(X)	1 325.4	(NA)	(X)	961.8
22584 10	Knit and finished in the same plant:						
22584 20	Narrow fabrics (12 inches wide or less) ..... mil fin lin yd ..	20	(S)	135.7	(NA)	(NA)	(NA)
	Broad fabrics (more than 12 inches wide) ..... do ..	28	**432.6	820.9	(NA)	(NA)	(NA)
22584 30	Purchased and finished in the same plant:						
22584 40	Narrow fabrics (12 inches wide or less) ..... mil fin lin yd ..	2	(S)	(D)	(NA)	(NA)	(NA)
22584 00	Broad fabrics (more than 12 inches wide) ..... do ..	14	(S)	340.5	(NA)	(NA)	(NA)
	Finished warp knit fabrics, n.s.k. ....	(NA)	(X)	(D)	(NA)	(NA)	(NA)
22585 --	Lace and net goods:						
22585 00	Lace and net goods: all leavers and Nottingham lace machine products, including bobbinets and barmen laces; excluding raschel lace machine products and burned-out lace ..... mil sq yd ..	27	138.0	98.7	37	(S)	66.6
22589 --	Contract and commission receipts for knitting only or knitting and finishing warp knit fabrics, or dyeing and finishing of lace and net goods .....	(NA)	(X)	177.9	(NA)	(X)	120.8
22589 15	Finishing only .....	18	(X)	95.5	21	(X)	74.1
22589 13	Knitting only or knitting and finishing:						
22589 17	Narrow fabrics (12 inches wide or less) ..... mil fin lin yd ..	3	(X)	3.4	(NA)	(X)	31.6
22589 21	Broad fabrics (more than 12 inches wide) ..... do ..	32	(X)	49.5	(NA)	(X)	31.6
22589 00	Receipts for commission dyeing and finishing of lace and net goods (except raschel and burned-out lace) .....	10	(X)	18.2	(NA)	(X)	6.4
22589 02	Receipts for knitting only or knitting and finishing warp knit fabrics, n.s.k., typically for establishments with 5 employees or more (see note) .....	(NA)	(X)	10.6	(NA)	(X)	6.5
22589 02	Receipts for knitting only or knitting and finishing warp knit fabrics, n.s.k., typically for establishments with less than 5 employees (see note) .....	(NA)	(X)	.7	(NA)	(X)	2.2
22580 --	Warp knit fabrics, n.s.k. ....	(NA)	(X)	131.1	(NA)	(X)	47.1
22580 00	Warp knit fabrics, n.s.k., typically for establishments with 5 employees or more (see note) .....	(NA)	(X)	100.1	(NA)	(X)	43.5
22580 02	Warp knit fabrics, n.s.k., typically for establishments with less than 5 employees (see note) .....	(NA)	(X)	31.0	(NA)	(X)	3.6
<b>2259- --</b>	<b>KNITTING MILLS, N.E.C.<sup>4</sup></b>						
	<b>Total</b> .....	<b>(NA)</b>	<b>(X)</b>	<b>234.2</b>	<b>(NA)</b>	<b>(X)</b>	<b>133.5</b>
22590 --	Knit gloves and other knit products:						
22590 20	Gloves and mittens including fabrics-and-leather combination (see also codes 2381300, 2381400, and 3151000) (for additional detail, see Current Industrial Report MA-23D, Gloves and Mittens) .....	17	(X)	87.8	9	(X)	36.1
22590 98	Other knit end products (except fabrics), including knitted towels and washcloths .....	26	(X)	106.8	24	(X)	68.8
22590 00	Knit gloves and other knit products, n.e.c., n.s.k., typically for establishments with 5 employees or more (see note) .....	(NA)	(X)	34.8	(NA)	(X)	26.7
22590 02	Knit gloves and other knit products, n.e.c., n.s.k., typically for establishments with less than 5 employees (see note) .....	(NA)	(X)	4.8	(NA)	(X)	1.8

Note: In 1987 Census of Manufactures, data for establishments of small single unit companies with up to 20 employees were estimated from administrative-records data rather than data actually collected from respondents. Employment cutoffs used for administrative records for each industry and shipments figures are included in code ending with "002". In both 1987 and 1982 Censuses of Manufactures, products not completely identified on standard forms were coded in appropriate product class (five-digit) followed by "00" or to appropriate product group code (four-digit) followed by "000".

<sup>1</sup>Data reported by all producers, not just those with shipments of \$100,000 or more.

<sup>2</sup>For some establishments, data have been estimated from central unit values which are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: \* 10 to 19 percent estimated; \*\* 20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by (S).

<sup>3</sup>Data are only for products made in knitting mills. Quantity and value for output of cut-and-sew establishments are shown in Industry 2321, Men's and Boys' Shirts; Industry 2322, Men's and Boys' Underwear and Nightwear; and Industry 2341, Women's and Children's Underwear.

<sup>4</sup>Includes only gloves and mittens made in knitting mills. Data for gloves and mittens of fabrics (woven or purchased knit) and fabrics-and-leather combinations are included in industry 2381, report MC87-I-23D(P). Data for gloves and mittens of all leather are included in industry 3151, report MC87-I-31B(P).

**Table 3. Materials Consumed by Kind: 1987 and 1982**

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. For further explanation, see Cost of Materials in appendix. For meaning of abbreviations and symbols, see introductory text]

1987 material code	Material	1987		1982	
		Quantity <sup>1</sup>	Delivered cost (million dollars)	Quantity <sup>1</sup>	Delivered cost (million dollars)
INDUSTRY 2251, WOMEN'S HOSIERY, EXCEPT SOCKS					
	Materials, containers, and supplies .....	(X)	666.7	(X)	551.2
225011	Hosiery in the greige, except pantyhose .....	(X)	44.5	(X)	45.6
225021	Pantyhose shipped in the greige .....	(X)	65.5	(X)	67.1
228102	Cotton yarns ..... mil lb..	(S)	10.2	**5.6	9.6
228141	Nylon spun yarns ..... do..	(S)	46.6	**7.0	22.0
228145	Acrylic yarns ..... do..	(S)	15.5	*6.9	17.8
282411	Nylon filament yarns ..... do..	*71.3	188.1	46.9	173.3
282435	Spandex filament yarns ..... do..	*11.7	110.5	8.1	76.2
228011	All other yarns ..... do..	(S)	16.8	(S)	8.1
970099	All other materials, containers, and supplies .....	(X)	154.8	(X)	100.9
971000	Materials, containers, and supplies, n.s.k. <sup>2</sup> .....	(X)	14.2	(X)	30.6
INDUSTRY 2252, HOSIERY, N.E.C.					
	Materials, containers, and supplies .....	(X)	905.0	(X)	734.5
225011	Hosiery in the greige, except pantyhose .....	(X)	264.3	(X)	204.9
228102	Cotton yarns ..... mil lb..	(S)	173.9	*50.0	78.4
228141	Nylon spun yarns ..... do..	(S)	35.6	(S)	26.6
228145	Acrylic yarns ..... do..	*44.3	75.9	*69.6	146.2
282411	Nylon filament yarns ..... do..	*19.5	43.5	*25.8	68.4
282435	Spandex filament yarns ..... do..	(S)	16.0	2.0	10.7
228011	All other yarns ..... do..	(S)	60.7	*25.3	56.3
970099	All other materials, containers, and supplies .....	(X)	202.9	(X)	94.4
971000	Materials, containers, and supplies, n.s.k. <sup>2</sup> .....	(X)	32.2	(X)	48.6
INDUSTRY 2253, KNIT OUTERWEAR MILLS					
	Materials, containers, and supplies .....	(X)	1 216.6	(X)	1 047.9
225078	Knit fabrics ..... mil lb..	(S)	13.7	(S)	64.2
Fibers:					
013101	Raw cotton ..... 1,000 bales..	(S)	3.9	( <sup>3</sup> )	( <sup>3</sup> )
021401	Raw wool ..... mil lb..	*1.6	3.5	( <sup>3</sup> )	( <sup>3</sup> )
282014	Manmade (staple and tow) ..... do..	(S)	4.9	(NA)	(NA)
Yarns:					
Cotton:					
228110	Carded cotton ..... mil lb..	*91.0	164.9	*57.5	116.8
228120	Combed cotton ..... do..	*84.2	161.4	*19.8	44.2
Manmade:					
228130	Rayon and acetate spun ..... mil lb..	(S)	20.0	4.8	6.2
228141	Nylon spun ..... do..	(S)	8.4	*2.2	5.0
228143	Polyester spun ..... do..	**70.7	111.3	44.7	81.3
282301	Rayon and acetate filament ..... do..	(S)	11.0	.6	1.3
282411	Nylon filament ..... do..	(S)	21.5	6.8	16.8
282423	Polyester filament ..... do..	(S)	60.2	18.8	25.3
228145	Acrylic ..... do..	*65.6	146.8	58.6	138.6
228301	Wool ..... do..	**10.0	29.7	11.9	39.9
228001	All other ..... do..	15.8	34.9	**17.8	30.3
970099	All other materials, containers, and supplies .....	(X)	387.3	(X)	329.1
971000	Materials, containers, and supplies, n.s.k. <sup>2</sup> .....	(X)	33.2	(X)	248.9
INDUSTRY 2254, KNIT UNDERWEAR MILLS					
	Materials, containers, and supplies .....	(X)	519.0	(X)	329.9
225078	Knit fabrics ..... mil lb..	(S)	8.8	(S)	5.3
228110	Carded cotton yarns ..... do..	(S)	159.8	53.9	83.8
228120	Combed cotton yarns ..... do..	24.0	48.5	18.5	35.9
228000	Manmade fiber yarns, filament and spun ..... do..	42.7	64.0	31.9	57.4
228145	Manmade fiber yarns, acrylic ..... do..	2.3	3.7	(NA)	(NA)
228013	All other yarns ..... do..	9.3	22.1	15.5	28.8
970099	All other materials, containers, and supplies .....	(X)	208.5	(X)	112.0
971000	Materials, containers, and supplies, n.s.k. <sup>2</sup> .....	(X)	3.6	(X)	6.7
INDUSTRY 2257, WEFT KNIT FABRIC MILLS					
	Materials, containers, and supplies .....	(X)	1 960.8	(X)	1 474.3
225078	Knit fabrics ..... mil lb..	*160.7	269.8	*109.2	199.9
Fibers:					
013101	Raw cotton ..... 1,000 bales..	**83.2	30.7	42.7	15.2
021401	Raw wool ..... mil lb..	(S)	8.9	(D)	(D)
282014	Manmade (staple and tow) ..... do..	74.8	59.6	105.4	132.3
Yarns:					
Cotton:					
228110	Carded cotton ..... mil lb..	*70.1	118.9	25.9	43.8
228120	Combed cotton ..... do..	*157.2	287.8	57.3	122.2
Manmade:					
228130	Rayon and acetate spun ..... mil lb..	(S)	(D)	(D)	(D)
228141	Nylon spun ..... do..	(S)	3.9	(D)	(D)
228143	Polyester spun ..... do..	155.6	207.8	135.0	209.6
282301	Rayon and acetate filament ..... do..	(S)	5.6	(D)	(D)
282411	Nylon filament ..... do..	7.0	17.1	4.7	10.6
282423	Polyester filament ..... do..	*111.5	172.9	*112.8	159.3
228145	Acrylic ..... do..	*28.0	41.7	30.0	46.6
228301	Wool ..... do..	(S)	23.5	1.0	3.0
228001	All other ..... do..	*46.9	77.9	19.8	50.1
282104	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc. .... do..	(D)	(D)	( <sup>3</sup> )	( <sup>3</sup> )
308007	Plastics products consumed in the form of sheets, rods, tubes, and other shapes ..... do..	(X)	(D)	(X)	( <sup>3</sup> )
970099	All other materials, containers, and supplies .....	(X)	513.5	(X)	3164.0
971000	Materials, containers, and supplies, n.s.k. <sup>2</sup> .....	(X)	83.3	(X)	243.4

See footnotes at end of table.



Table 3. **Materials Consumed by Kind: 1987 and 1982—Con.**

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. For further explanation, see Cost of Materials in appendix. For meaning of abbreviations and symbols, see introductory text]

1987 material code	Material	1987		1982	
		Quantity <sup>1</sup>	Delivered cost (million dollars)	Quantity <sup>1</sup>	Delivered cost (million dollars)
	<b>INDUSTRY 2258, WARP KNIT FABRIC MILLS AND LACE GOODS</b>				
	Materials, containers, and supplies .....	(X)	1 073.8	(X)	827.4
225078	Knit fabrics ..... mil lb..	*27.1	87.2	86.1	111.7
013101	Fibers:				
282014	Raw cotton ..... 1,000 bales..	-	-	4.6	1.7
	Manmade (staple and tow) ..... mil lb..	(S)	46.8	20.6	12.8
	Yarns:				
	Cotton:				
228110	Carded ..... mil lb..	(S)	31.6	5.2	7.1
228120	Combed ..... do..	(S)	28.8	(S)	1.0
	Manmade:				
228130	Rayon and acetate spun ..... mil lb..	(D)	(D)	5.7	13.1
228141	Nylon spun ..... do..	(S)	8.7	7.6	18.3
228143	Polyester spun ..... do..	(S)	50.1	37.6	70.9
282301	Rayon and acetate filament ..... do..	*30.1	47.7	55.6	82.6
282411	Nylon filament ..... do..	*81.6	161.9	87.6	187.4
282423	Polyester filament ..... do..	*110.0	193.8	74.0	107.6
228145	Acrylic ..... do..	8.9	14.8	(D)	(D)
228301	Wool ..... do..	(S)	46.7	(D)	(D)
228001	All other ..... do..	*16.2	44.8	*33.2	52.1
282104	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc. .... do..	(D)	(D)	( <sup>3</sup> )	( <sup>3</sup> )
308007	Plastics products consumed in the form of sheets, rods, tubes, and other shapes ..... do..	(X)	(D)	(X)	( <sup>3</sup> )
970099	All other materials, containers, and supplies .....	(X)	262.0	(X)	<sup>3</sup> 100.1
971000	Materials, containers, and supplies, n.s.k. <sup>2</sup> .....	(X)	19.5	(X)	49.7
	<b>INDUSTRY 2259, KNITTING MILLS, N.E.C.</b>				
	Materials, containers, and supplies .....	(X)	76.5	(X)	49.0
225078	Knit fabrics ..... mil lb..	(D)	(D)	(S)	5.8
228120	Combed cotton yarns ..... do..	(S)	5.2	(FF)	(FF)
228110	Carded cotton yarns ..... do..	(S)	25.3	*6.5	11.2
228000	Manmade fiber yarns ..... do..	(S)	10.6	( <sup>3</sup> )	( <sup>3</sup> )
228001	All other yarns ..... do..	(Z)	.1	( <sup>3</sup> )	( <sup>3</sup> )
282104	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc., but excluding sheets, rods, tubes, and shape ..... do..	(D)	(D)	( <sup>3</sup> )	( <sup>3</sup> )
308007	Plastics products consumed in the form of sheets, rods, tubes, and other shapes ..... do..	(X)	-	(X)	( <sup>3</sup> )
970099	All other materials, containers, and supplies .....	(X)	31.0	(X)	<sup>3</sup> 17.8
971000	Materials, containers, and supplies, n.s.k. <sup>2</sup> .....	(X)	2.3	(X)	14.2

<sup>1</sup>For some establishments, data have been estimated from central unit values which are based on quantity-cost relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: \* 10 to 19 percent estimated; \*\* 20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by (S).

<sup>2</sup>Total cost of materials of establishments that did not report detailed materials data, including establishments that were not mailed a form.

<sup>3</sup>For 1982, these material codes were included with material code 9700998.





# APPENDIX

## Scope and Coverage and Explanation of Terms

### GENERAL

The 1987 Census of Manufactures is the 32nd census of manufacturing establishments conducted in the United States. For 1987, it was conducted as part of the economic censuses, which included the censuses of mineral industries, construction industries, retail and wholesale trades, service industries, selected transportation activities, and minority-owned and women-owned businesses, under authority of title 13 of the United States Code. Title 13 specifies that an economic census be conducted every 5 years to cover years ending in 2 and 7.

### SCOPE AND COVERAGE

#### Establishment Basis of Reporting

The census of manufactures is conducted on an establishment basis. All manufacturing establishments with one paid employee or more at any time during the year are covered by the census of manufactures. Therefore, a company operating at more than one location is required to file a separate report for each location. This report excludes information for separately operated administrative offices, warehouses, garages, and other auxiliary units which service manufacturing establishments of the same company. Where these auxiliary operations are conducted at the same location as the manufacturing operation, they are usually included in the report for the operating manufacturing establishment.

#### Use of Administrative Records

From a universe of approximately 350,000 manufacturing establishments in the 1987 Census of Manufactures, approximately 150,000 small single-establishment companies were excused from filing reports. Selection of the small establishment nonmail cases was done on an industry-by-industry basis. A variable cutoff was used to determine those establishments for which administrative records were to be used in place of a census report. The cutoffs were selected so the administrative-record cases would account for approximately 3 percent or less of the value of shipments for the industry. These cutoffs were then adjusted so that all single-establishment companies with less than 5 employees were excluded from the mail canvass, while all establishments with more than 20 employees were included. Where establishments in the 5 to 20 employee size range were included in the mail canvass, an abbreviated census form was frequently used.

For these nonmail establishments, (and a small number of larger establishment whose reports were not received at the time the data were tabulated) data on employment, payroll, and receipts were obtained from administrative records of other government agencies rather than from census forms. The administrative-record information was then used in conjunction with industry averages to estimate the data for these establishments. The value of shipments and cost of materials were not distributed among specific products and materials but were included in the product and material "not specified by kind" (n.s.k.) categories.

### EXPLANATION OF TERMS

**Number of establishments and companies**—A separate report was required for each manufacturing establishment (plant) with one employee or more. An establishment is defined as a single physical location where manufacturing is performed. A company, on the other hand, is defined as a business organization consisting of one establishment or more under common ownership or control.

**All employees**—Includes all full-time and part-time employees on the payrolls at any time during the year. Included are all persons on paid sick leave, paid holidays, and paid vacations. Officers of corporations are included as employees; proprietors and partners of unincorporated firms are excluded. The "all employees" number is the average number of production workers plus the number of other employees in mid-March. The number of production workers is the average of those for midmonth payroll periods of March, May, August, and November.

**Production workers**—Includes workers up through the working-supervisor level engaged in fabricating, processing, assembling, inspecting, receiving, packing, warehousing, shipping (but not delivering), maintenance, repair, janitorial, guard services, product development, auxiliary production for plant's own use (e.g., power-plant), recordkeeping, and other closely associated services. Truckdrivers delivering ready-mixed concrete are also included in production workers.

**Other employees**—Includes nonproduction personnel, including those engaged in the following activities: supervision above working-supervisor level, sales (including driver/salespersons), sales delivery (truckdrivers and helpers), advertising, credit collection, installation and

servicing of own product, clerical and routine office functions, executive, purchasing, finance, legal, personnel (including cafeteria, etc.), professional, and technical employees.

**Payroll**—Includes the gross earnings for the “employees” defined above, such as salaries, wages, commissions, dismissal pay, bonuses, vacation and sick leave pay, and compensation in kind, prior to such deductions as employees’ Social Security contributions, withholding taxes, group insurance, union dues, and savings bonds. Respondents were told that in reporting they could follow the definition of payrolls used for calculating the Federal withholding tax.

**Production-worker hours**—Covers hours worked or paid for at the plant, including actual overtime hours (not straight-time equivalent hours). It excludes hours paid for vacations, holidays, or sick leave when the employee was not at the plant.

**Cost of materials**—Refers to direct charges actually paid or payable for items consumed or put into production during the year, including freight charges and other direct charges incurred by the establishment in acquiring these materials. It includes the cost of materials or fuels consumed, regardless of whether they were purchased by the individual establishment from other companies, transferred to it from other establishments of the same company, or withdrawn from inventory during the year.

The important components of this cost item are (a) all raw materials, semifinished goods, parts, containers, scrap, and supplies put into production or used as operating supplies and for repair and maintenance during the year; (b) electric energy purchased; (c) fuels consumed for heat, power, or generating electricity; (d) work done by others on materials or parts furnished by manufacturing establishments (contract work); and (e) products bought and resold in the same condition.

**Specific materials consumed (table 3)**—In addition to the total cost of materials which every establishment was required to report, information was also collected for most manufacturing industries on the consumption of major materials used in manufacturing. These inquiries were restricted to those materials which were important parts of the cost of production in a particular industry and for which cost information was available from manufacturers’ records. Establishments consuming less than a specified amount (usually \$10,000) of a specific material were not requested to report consumption of that material separately. Also, the cost of materials for the small establishments for which administrative records were used was estimated as “not specified by kind” (n.s.k.).

**Value of shipments and other receipts**—Generally refers to received or receivable net selling values, f.o.b. plant (exclusive of freight and taxes), of all products shipped, both primary and secondary, as well as all

miscellaneous receipts such as receipts for contract work performed for others, installation and repair receipts, sale of scrap, and sale of products bought and resold without further processing. Included are all items made by or for the establishment from materials owned by it whether sold, transferred to other plants of the same company, or shipped on consignment. The net selling value of products made in one plant on a contract basis from materials owned by another was reported by the plant providing the materials.

In a few industries, the value of production or value of work completed is used instead of value of shipments. These industries are identified in the introduction and are footnoted in table 1.

In the case of multiunit companies, the manufacturer was requested to report the value of products transferred to other establishments of the same company at full economic or commercial value, that is, including not only the direct costs of production but also a reasonable proportion of “all other costs” (including company overhead and profit).

**Shipments or production of individual products (table 2)**—In the 1987 census, detailed shipment information was collected for approximately 11,000 individual products. These products are identified by a seven-digit code and are grouped into approximately 1,500 classes of products, which in turn are primary to 459 four-digit industries. Data at the five-digit product-class level have been collected each year as part of the annual survey of manufactures. Information at the seven-digit level, collected for many industries in the current industrial reports program, is not included in this table.

**Value added by manufacture**—This measure of manufacturing activity is derived by subtracting the cost of materials, supplies, containers, fuel, purchased electricity, and contract work from the value of shipments for products manufactured plus receipts for services rendered. The result of this calculation is then adjusted by the addition of value added by merchandising operations (that is, the difference between the sales value and cost of merchandise sold without further manufacturing, processing, or assembly) plus the net change in finished goods and work-in-process inventories between the beginning and end of the year.

For those industries where value of production is collected instead of value of shipments (see footnote in table 1), value added is adjusted only for the change in work-in-process inventories between the beginning and end of the year. For those industries where value of work done is collected, the value added does not include an adjustment for the change in finished goods or work-in-process inventories.

Value added avoids the duplication in the figure for value of shipments which results from the use of products of some establishments as materials by others. Value



added is considered to be the best value measure available for comparing the relative economic importance of manufacturing among industries and geographic areas.

**Expenditures for new plant and equipment**—Establishments in operation and any known plants under construction were asked to report their expenditures for (a) permanent additions and major alterations to manufacturing establishments and (b) new machinery and equipment used for replacement and additions to plant capacity if they are of the type for which depreciation accounts are ordinarily maintained.

These totals exclude expenditures for used plant and equipment, expenditures for land, and cost of maintenance and repairs charged as current operating expenses. Data for used plant and equipment will be published in the final industry bulletin.

**End-of-year inventories**—Comprised of (a) finished products; (b) work-in-process; and (c) materials, supplies, fuels, etc. Beginning in 1982, respondents were asked to report their inventories at (the lower of) cost or market prior to adjustment to LIFO cost. This is a change from prior years in which respondents were permitted to value their inventories using any generally accepted accounting method.

Therefore, 1982 through 1987 data for inventories are not strictly comparable to prior-year data.

**Specialization and coverage ratios**—An establishment is classified in a particular industry if its shipments of primary products of the industry exceed in value its shipments of the products of any other single industry. An establishments' shipments include those products assigned to an industry (primary products), those considered primary to other industries (secondary products), and receipts for miscellaneous activities (merchandising, contract work, resales, etc.). The following ratios have been developed to measure the relationship of primary product shipments to the data on shipments for the industry shown in table 1 and data on product shipments shown in table 2.

**Specialization ratio**—Represents the ratio of primary product shipments to total product shipments (primary and secondary, excluding miscellaneous receipts) for the establishments classified in the industry.

**Coverage ratio**—Represents the ratio of primary products shipped by the establishments classified in the industry to the total shipments of such products that are shipped by all manufacturing establishments, wherever classified.















CB/Bureau of the Census Library



5 0673 01031342 0